

30-year (1961-1990) Mean Annual

Zone	Min. Temp. (C)	Max. Temp. (C)	Avg. Temp. (C)	Avg. Ppt. (mm)	No. of Frz-free days	No. of Gdd (C-days)	Elev. (m)
1	3.5	18.0	10.8	316	143	2898	750
2	2.5	17.6	10.1	287	139	2769	903
3	1.3	15.8	8.6	365	127	2207	1184
4	0.8	13.5	7.2	717	119	1574	1028
5	-0.3	14.7	7.2	399	112	1929	1414
6	-1.3	15.2	6.9	312	98	1591	1609
7	-0.1	11.9	5.9	1033	110	1222	1213
8	-1.3	12.9	5.7	582	97	1364	1734
9	-2.0	13.4	5.6	332	93	1627	1617
10	-0.5	9.5	4.5	1529	104	857	1518
11	-2.1	10.7	4.3	976	85	902	1944
12	-3.4	11.6	4.1	518	72	1040	1914
13	-4.3	10.8	3.2	939	54	637	2002
14	-4.4	9.9	2.7	598	59	739	2171
15	-4.3	8.5	2.1	1330	52	416	2187
16	-5.9	8.4	1.2	765	33	338	2508

Multivariate statistical analysis and geographic information systems were used to delineate homogeneous agroclimate zones for Idaho for the purpose of applying successful dryland agricultural research practices and management decisions throughout these areas of relative climatic uniformity. Data used to produce the classification are from the Parameter-elevation Regressions on Independent Slopes Model (PRISM), developed at Oregon State University. PRISM has produced gridded estimates of mean monthly and annual climatic parameters from point data and a digital elevation model. Principal components analysis was performed on fifty-five variables including various temperature and precipitation parameters, the number of growing degree-days, the mean annual number of freeze-free days, the mean annual day of first freeze in the fall, and the mean annual day of last freeze in the spring. Cluster analysis was used to identify sixteen agroclimate zones each having similar climatic conditions regardless of its spatial location.

Agroclimate Zones in Idaho

Idaho State Climate Services at the University of Idaho
with contributions from
Oregon Climate Service -- PRISM Project
USDA-NRCS Climate Mapping Project

Idaho Transverse Mercator Projection
1927 North American Datum
Grid cell size approximately 4 km x 4 km.
Plotted: December 1999
Digital data available on-line at: <http://www.uidaho.edu/~climate>
Map Design: Bruce Godfrey

0 50 100 Kilometers

